



CITEL

'Quarter wave' coaxial protector

PRC822S-716W/MF



- ▶ 'Quarter wave' coaxial protector type 7/16
- ▶ Frequency : 800-2200 MHz
- ▶ Low insertion loss
- ▶ $I_{max} > 50 \text{ kA}$
- ▶ Maintenance free
- ▶ Bi-directional
- ▶ IP65



Electrical Characteristics		
Frequency range	f	800-2200 MHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current @25°C	IL	10 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	100 kA
Nominal discharge current <i>C2 Category</i>	I_n	50 kA
Protection mode(s)		Common mode
Protection level <i>@ I_n (8/20μs)</i>	Up	< 30 V
Impulse current <i>2 x 10/350μs Test - D1 Category</i>	I_{imp}	50 kA
Max Power @f max.		1785 W
Max Power @f mini.		2959 W
PIM 3rd order (2x20W)		< -160 dBc
DC Pass		No
Mechanical Characteristics		
Technology		Quarter Wave
Connection to Network		Connector 7/16 Male/Female
Mounting		Feedthrough
Housing material		Brass/Surface plating: Cu Zn Sn
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Without
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E
RohS compliance		Yes
Part number		
61503		

